

Abstract

The present invention provides compositions for the repair of mammalian skin. The compositions contain cell growth enhancers to increase the growth rate of skin cells, stimulators of cell growth enhancers, nutrients to support log phase growth of skin cells, cell protectors to protect growing cells and enhanced cellular activity, antioxidants to protect rejuvenated cells, extracellular matrix proteins, stimulators of extracellular matrix proteins, and penetration enhancers. The compositions of the present invention are effective for repairing and rejuvenating mammalian skin, such that aging skin treated with the compositions has a significant reduction in the number of fine lines and wrinkles in the skin. The compositions are also effective for promoting the healing of skin that has suffered a wound, such as a sunburn or abrasion, and for promoting the growth of hair on the scalp.